

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B20/10 G07F17/30 H05K11/02 G11B31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B G07F H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>DE 198 14 254 A1 (MICROSOFT CORP., REDMOND, WASH., US) 15 October 1998 (1998-10-15) cited in the application column 1, line 51 - column 2, line 20 column 2, line 58 - column 3, line 21 column 3, line 63 - column 5, line 53 column 6, line 51 - column 8, line 33 column 8, line 64 - column 9, line 53 column 12, line 27 - line 31 column 14, line 57 - column 16, line 29 column 18, line 21 - column 19, line 46 column 21, line 55 - column 24, line 42 column 25, line 12 - line 27 figures 3,6,9-14</p> <p>-----</p> <p>-/-</p>	1-12

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

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Date of the actual completion of the international search

3 February 2005

Date of mailing of the international search report

14/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 170 722 A1 (SONY FRANCE S.A) 9 January 2002 (2002-01-09) the whole document -----	1-12
A	US 2003/185406 A1 (GOODMAN BRYAN ROGER ET AL) 2 October 2003 (2003-10-02) paragraph '0002! - paragraph '0016! paragraph '0019! paragraph '0030! - paragraph '0033! paragraph '0056! - paragraph '0064! figures 1-3 -----	1-12
A	US 2002/178057 A1 (BERTRAM RALF ET AL) 28 November 2002 (2002-11-28) paragraph '0002! paragraph '0005! - paragraph '0011! paragraph '0018! - paragraph '0023! paragraph '0036! - paragraph '0058! figure 1 -----	1-12
A	WO 00/33578 A1 (MICROSOFT CORPORATION) 8 June 2000 (2000-06-08) page 8, line 18 - page 9, line 6 figure 3 -----	1-12

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 19814254	A1	15-10-1998	FR GB GB GB GB GB GB GB GB JP	2763148 A1 2353123 A ,B 2325537 A ,B 2340633 A ,B 2340634 A ,B 2340635 A ,B 2340636 A ,B 2340637 A ,B 2340638 A ,B 11008810 A		13-11-1998 14-02-2001 25-11-1998 23-02-2000 23-02-2000 23-02-2000 23-02-2000 23-02-2000 23-02-2000 12-01-1999
EP 1170722	A1	09-01-2002	JP US	2002117069 A 2002002897 A1		19-04-2002 10-01-2002
US 2003185406	A1	02-10-2003	DE GB	10306563 A1 2387017 A		23-10-2003 01-10-2003
US 2002178057	A1	28-11-2002	DE	10154656 A1		21-11-2002
WO 0033578	A1	08-06-2000	US AT AU EP EP EP EP	6392664 B1 287178 T 2035500 A 1411728 A1 1489845 A1 1489846 A1 1135933 A1		21-05-2002 15-01-2005 19-06-2000 21-04-2004 22-12-2004 22-12-2004 26-09-2001